

Serial No. 09/990,965

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

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MAR 09 2005

Inventor     Xiang Liu  
              Xing Wei  
              Chunhui Xu

Case         Liu 4-4-8

Serial No.   09/990,965

Filing Date   November 21, 2001

Examiner     David Lee

Group Art Unit   2633

Title         Long Haul Optical Communication System

THE COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

AMENDMENT AND RESPONSE

Sir:

The following amendment is in response to the Office Action mailed December 13, 2004, and is being filed within the shortened statutory period set for response in the Office action. Kindly amend the above-identified patent application, without prejudice, as follows:

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks and Arguments** begin on page 5 of this paper.

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**FAX COVER SHEET**

**RE:** OFFICIAL PAPER

**TO:** Examiner David J. Lee  
U.S. Patent and Trademark Office

**GAU:** 2633  
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**FROM:** David A. Sasso

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**DATE:** March 9, 2005

**Pages (incl. Cover):** 9

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**Re:** Amendment Response

**Case No.:** Liu 4-4-8

**Ser. No.:** 09/990965

**File Date:** November 21, 2001

**Title:** Long Haul Optical Communication System

**Certification of Facsimile Transmission**

I hereby certify that this correspondence (and any paper referred to as being transmitted therewith) is being facsimile transmitted to The United States Patent and Trademark Office on the date indicated below.

March 9, 2005

Sharon Robosco

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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

## PATENT APPLICATION

Xiang Liu  
Xing Wei  
Chunhui Xu

CASE 4-4-8

Serial No. 09/990965

Group Art Unit 2633

Filed November 21, 2001

Examiner David J. Lee

Title Long Haul Optical Communication System

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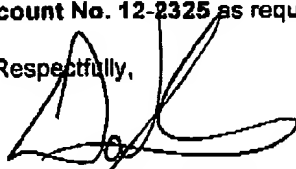
SIR:

Enclosed is an amendment in the above-identified application.

## NO ADDITIONAL FEE REQUIRED

In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 12-2325** as required to correct the error.

Respectfully,

  
David A. Sasso, Attorney  
Reg. No. 43084  
732-949-6559.Date: 3/9/05Docket Administrator (Room 3J-219)  
Lucent Technologies Inc.  
101 Crawfords Corner Road  
Holmdel, NJ 07733-3030

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